## Contents of Volume 211, 1980

No. 1 issued on September 18, 1980	
H. Nogami, F. Yoshimura: Prolactin Immunoreactivity of Acidophils of the Small Granule Type	1
<b>B. Ph. M. Menco:</b> Qualitative and Quantitative Freeze-Fracture Studies on Olfactory and Nasal Respiratory Epithelial Surfaces of Frog, Ox, Rat, and Dog. II. Cell Apices, Cilia, and Microvilli	5
M. Reuter, M. Wikgren, I. Palmberg: The Nervous System of <i>Microstomum lineare</i> (Turbellaria, Macrostomida). I. A Fluorescence and Electron Microscopic Study	31
<b>B. Midttun:</b> Ultrastructure of Atrial and Ventricular Myocardium in the Pike Esox lucius L. and Mackarel Scomber scombrus L. (Pisces)	41
<b>E. Buchner, S. Buchner: Mapping Stimulus-induced Nervous Activity in Small Brains by [3H] 2-Deoxy-D-Glucose</b>	51
D.J. Morré, H.H. Mollenhauer, C.M. Eppler: Cytochemical Demonstration of NADH-Ferricyanide Reductase and Nucleoside Diphosphatase Activities in Dictyosome-Like Structures of Guinea Pig Spermatocytes	65
R.D. Ikenberry, S.K. Curtis, R.R. Cowden: Ultrastructural and Gas-Chromatographic Analysis of the Preputial Glands of Male Nude (nu/nu) Mice	73
H.H. Dahm, U. Schramm, W. Lange: Scanning and Transmission Electron Microscopic Observations of the Cloacal Epithelia of the Domestic Fowl	83
R.W. Burry: Dense Material Associated with Apparent Presynaptic Elements in Cell Cultures of the CNS	98
J.J. Peluso, C. England-Charlesworth, D.L. Bolender, R.W. Steger: Ultrastructural Alterations Associated with the Initiation of Follicular Atresia	10
H. Rützel, T.H. Schiebler: Prenatal and Early Postnatal Development of the Glial Cells in the Median Eminence of the Rat	117
<b>D.W. Parsons:</b> The Morphology and Ultrastructure of Tension Receptors in the Walking Legs of the Crab, <i>Carcinus maenas</i>	139
M. Karasek, Z. Wyrzykowski: The Ultrastructure of Pinealocytes in the Pig	15
<b>B.H. Toh, S.J. Lolait, J.P. Mathy, R. Baum:</b> Association of Mitochondria with Intermediate Filaments and of Polyribosomes with Cytoplasmic Actin	16
Short Communications	
<b>T. Watanabe, T. Fujloka:</b> Ultrastructural Alterations of the Pancreatic D Cell in the Domestic Fowl Following Vagotomy	17
<b>D.M. Jacobs, R.P. Sturtevant:</b> Circadian Morphometric Variation in Gastric Parietal Cell Populations of the Rat	17
No. 2 issued on October 1, 1980	
R. Seldenrijk, W. Berendsen, D.R.W. Hup, F.C.G. van de Veerdonk: The Morphology of Cultured Melanophores from Tadpoles of <i>Xenopus laevis</i> : Scanning Electron Microscopical Observations	179

D. Gash, D.E. Scott: Fetal Hypothalamic Transplants in the Third Ventricle of the Adult Rat Brain. Correlative Scanning and Transmission Electron Microscopy

. 191

Co

J.E pha M.I R.I tur

L. On C. aci

Inc

M. Abraham, E. Rahamim, H. Tibika, E. Golenser, M. Kieselstein: The Blood-Testis Barrier in <i>Aphanius dispar</i> (Teleostei)	207
<b>W.D. Eldred, T.E. Finger, J. Nolte:</b> Central Projections of the Frontal Organ of <i>Rana pipiens</i> , as Demonstrated by the Anterograde Transport of Horseradish Peroxidase 2	215
S. Karaçali, S. Geldiay: The Neurosecretory System of the Adult <i>Melanogryllus desertus</i> Pall. (Orthoptera, Gryllidae). I. Ultrastructural Study of the Median Neurosecretory Cells in the Brain	223
S. Geldiay, S. Karaçali: The Neurosecretory System of the Adult <i>Melanogryllus desertus</i> Pall. (Orthoptera, Gryllidae). II. Cerebral Neurohemal Area	235
G. Gaudino, A. Fasolo: Substance P-related Peptides in the Hypothalamus of Amphibia	241
B. Krisch, H. Leonhardt: Neurohormones in the Intercellular Clefts and in Glia-like Cells of the Rat Brain	251
<b>D. Newgreen, JP. Thiery:</b> Fibronectin in Early Avian Embryos: Synthesis and Distribution Along the Migration Pathways of Neural Crest Cells	269
<b>D.M. Toth:</b> Ultrastructural Changes in Paneth Cells During Hibernation in the Ground Squirrel <i>Spermophilus lateralis</i>	293
O.P. Olson, N. Watabe: Studies on Formation and Resorption of Fish Scales. IV. Ultra- structure of Developing Scales in Newly Hatched Fry of the Sheepshead Minnow, Cyprinodon variegatus (Atheriniformes: Cyprinodontidae)	303
<b>H.C. Jones:</b> Circulation of Marker Substances in the Cerebrospinal Fluid of an Amphibian, <i>Rana pipiens</i>	317
<b>A.M.J. Buchan, J.M. Polak, A.G.E. Pearse:</b> Gut Hormones in <i>Salamandra salamandra</i> . An Immunocytochemical and Electron Microscopic Investigation	331
Short Communications	
<b>R. van den Hurk, C.J.J. Richter:</b> Histochemical Evidence for Granulosa Steroids in Follicle Maturation in the African Catfish, <i>Clarias lazera</i>	345
<b>A. Lewiński:</b> Effect of Dibutyryl Cyclic Adenosine 3'5'-Monophosphate on Mitotic Activity in the Thyroid of Hypophysectomized Rats	349
No. 3 issued on October 8, 1980	
T.F. Robinson: Lateral Connections Between Heart Muscle Cells as Revealed by Conventional and High Voltage Transmission Electron Microscopy	353
<b>B.Ph.M. Menco:</b> Qualitative and Quantitative Freeze-Fracture Studies on Olfactory and Nasal Respiratory Epithelial Surfaces of Frog, Ox, Rat, and Dog. III. Tight-Junctions	361
H.R. Hendriks, I.L. Eestermans, E.C.M. Hoefsmit: Depletion of Macrophages and Disappearance of Postcapillary High Endothelial Venules in Lymph Nodes Deprived of Afferent Lymphatic Vessels	375
A.D. Blest, D.S. Williams, L. Kao: The Posterior Median Eyes of the Dinopid Spider <i>Menneus</i>	391
<b>P. Pothier, J.S. Hugon:</b> Characterization of Isolated Villus and Crypt Cells from the Small Intestine of the Adult Mouse	405
S. Stowe: Rapid Synthesis of Photoreceptor Membrane and Assembly of New Microvilli	
in a Crab at Dusk	419

ents	Contents	V
207	J.E. Michaels, P.A. Tornheim: Fine Structure of the Lateral Areas of the Rhombence- phalic Tela of the Bullfrog, Rana catesbeiana	449
	M.N. Adal, S.B. Chew Cheng: Capsules of Duck Muscle Spindles	465
215	R.M. Santer, M. Partanen, A. Hervonen: Glyoxylic Acid Fluorescence and Ultrastructural Studies of Neurones in the Coeliac-Superior Mesenteric Ganglion of the Aged Rat	475
223	E.A. Nunez, AJ. Silverman, M.D. Gershon: Pituitary Serotonin: Responsiveness of Levels to Hormonal Change and Ultrastructural Alterations Associated with Amine Depletion	487
235	M.V. Ugrumov, M.S. Mitskevich: The Adsorptive and Transport Capacity of Tanycytes	
241	During the Perinatal Period of the Rat	493
251	L. Goldgefter, A.S. Schejter, D. Gill: Structural and Microspectrofluorometric Studies on Glial Cells from the Periventricular and Arcuate Nuclei of the Rat Hypothalamus	503
269	C. Vaillant, R. Dimaline, G.J. Dockray: The Distribution and Cellular Origin of Vaso-active Intestinal Polypeptide in the Avian Gastrointestinal Tract and Pancreas	511
293	Indexed in Current Contents	
303		
317		
331		
345		
349		

d r e